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[NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

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(72) Inventors; and

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(75) Inventors/Applicants (for US only): **VAN STEVEN-DAAL, Udo** [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).
KÖHLER, Thomas [DE/DE]; c/o Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).

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(74) Agents: **MEYER, Michael** et al.; Philips Intellectual Property & Standards GmbH, Weissshausstr. 2, 52066 Aachen (DE).

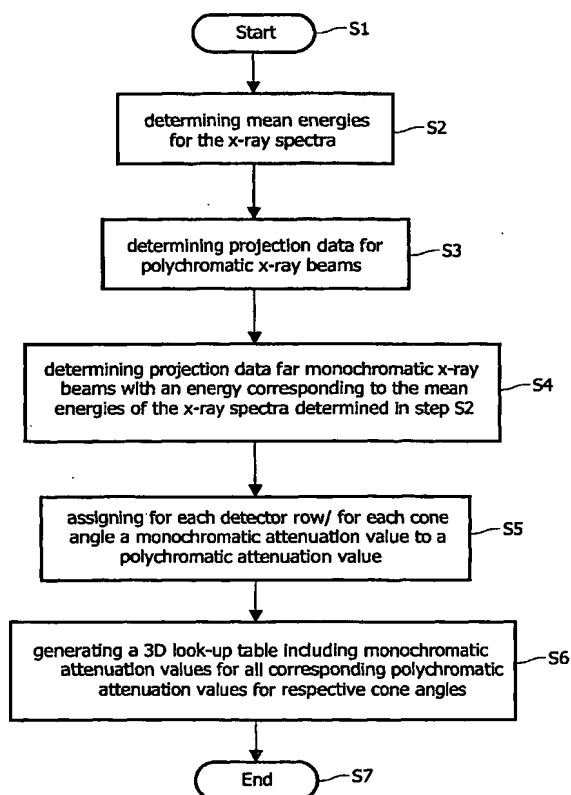
(71) Applicant (for DE only): **PHILIPS INTELLECTUAL PROPERTY & STANDARDS GMBH** [DE/DE]; Stein-
damm 94, 20099 Hamburg (DE).

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(71) Applicant (for all designated States except DE, US):
KONINKLIJKE PHILIPS ELECTRONICS N. V.

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(54) Title: CORRECTION OF ARTIFACTS CAUSED BY THE HEEL EFFECT



(57) Abstract: According to the present invention, a 3D look-up table and a method for generating the same is provided, taking into account the x-ray spectrum variations in dependence of the cone beam angle caused by the heel effect. The 3D look-up table includes monochromatic attenuation values for all corresponding polychromatic attenuation values for each x-ray spectrum, depending on the cone beam angle. Advantageously, less image artifacts, such as, for example, cupping artifacts, are achieved in the reconstructed images.

WO 2005/059592 A1



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